

Listing of the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Claim 1 (Currently Amended) Cast iron material with graphite flakes, with the following composition (in % by weight):

C: 3.4 to 4.1%,

Si: 0.9 to 1.4%

Mn: 0.4 to 0.7%,

Cu: 0.4 to 0.6%,

S: 0.01 to 0.04%,

O₂: 0.003 to 0.007%,

P: ≤0.04%,

the remainder comprising Fe and unavoidable impurities, wherein the composition may also optionally contain one or more of the following elements:

Mo: 0.15 to 0.45%,

La: 0.005 to 0.02%,

Sr: 0.0005 to 0.01%,

Ni: 0.05 to 0.8%,

V: 0.005 to 0.1%,

Sn: 0.05 to 0.15%,

N: 0.05 to 0.08%,

Ce: 0.01 to 0.02%

and $0.85\% \leq S_c \leq 1.05\%$ applies to the degree of saturation $S_c = C\% / (4.26 - 0.3 * (Si\% + P\%))$ (C%: respective C content, Si%, respective Si content, P%: respective P content),

and $1.97\% \leq MEG \leq 2.07\%$ applies to the respective quantity $\%MEG = 2.25\% - 0.2 Si\%$ (Si%: respective Si content).

Claim 2 (Original) Cast iron material according to claim 1, characterised in that the C content is 3.8 to 4.1% by weight.

Claim 3 (Original) Cast iron material according to claim 2, characterised in that the Si content is 0.9 to 1.2% by weight.

Claim 4 (Original) Cast iron material according to either claim 2 or claim 3, characterised in that the O₂ content is 0.003 to 0.004% by weight.

Claim 5 (Original) Cast iron material according to claim 1, characterised in that the C content is 3.4 to 3.6% by weight.

Claim 6 (Original) Cast iron material according to claim 5, characterised in that the Si content is 1.15 to 1.4% by weight.

Claim 7 (Original) Cast iron material according to either claim 5 or claim 6, characterised in that the Sr content is 0.005 to 0.002% by weight.

Claim 8 (Currently Amended) Cast iron material according to ~~any one of claims 5 to 7~~ claim 5, characterised in that the V content is 0.025 to 0.045% by weight.

Claim 9 (Currently Amended) Cast iron material according to ~~any one of claims 5 to 8~~ claim 5, characterised in that the Sn content is 0.05 to 0.15% by weight.

Claim 10 (Currently Amended) Cast iron material according to ~~any one of claims 5 to 9~~ claim 5, characterised in that the Si content is 1.15 to 1.25% by weight.

Claim 11 (Currently Amended) Cast iron material according to ~~any one of claims 5 to 10~~ claim 5, characterised in that the O₂ content is 0.003 to 0.005% by weight.

Claim 12 (Currently Amended) Cast iron material according to ~~any one of claims 5 to 10~~ claim 5, characterised in that the O₂ content is 0.004 to 0.006% by weight.

Claim 13 (Currently Amended) Cast iron material according to ~~any one of claims 5 to 10~~
claim 5, characterised in that the O₂ content is 0.005 to 0.007% by weight.

Claim 14 (Currently Amended) Cast iron material according to ~~any one of the preceding~~
~~claims~~ claim 1, characterised in that the S content is at least 0.02% by weight.

Claim 15 (Currently Amended) Cast iron material according to ~~any one of the preceding~~
~~claims~~ claim 1, characterised in that the Mo content is 0.2 to 0.4% by weight.

Claim 16 (Currently Amended) Cast iron material according to ~~any one of the preceding~~
~~claims~~ claim 1, characterised in that the Mn content is 0.45 to 0.65% by weight.

Claim 17 (Currently Amended) Cast iron material according to ~~any one of the preceding~~
~~claims~~ claim 1, characterised in that the Cu content is 0.45 to 0.55% by weight.

Claim 18 (Currently Amended) Cast iron material according to ~~any one of the preceding~~
~~claims~~ claim 1, characterised in that its Sr content is at least 0.05% by weight.

Claim 19 (Currently Amended) Cast iron material according to ~~any one of the preceding~~
~~claims~~ claim 1, characterised in that in the cast state more than 50% of the oxygen
contained therein is in the form of a ~~type of an~~ oxide of which the starting temperature of
the reduction with oxygen is above 1,700 K.